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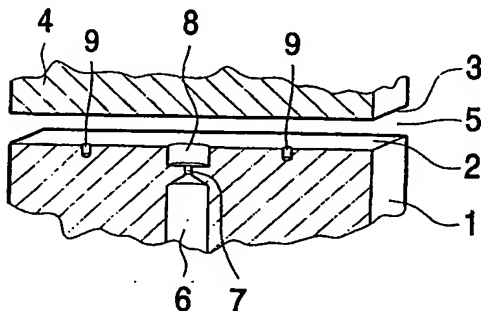
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(54) Title: A GAS BEARING SYSTEM



(57) Abstract: A gas bearing system comprising to opposing substantially parallel bearing surfaces (2, 3) and at least one gas duct (6) for supplying gas through an orifice (7) to the bearing gap (5) between said bearing surfaces (2, 3). At least one of said bearing surfaces (2, 3) is provided with at least one cavity (8, 9) extending over 0.3 mm² to 3 mm² of said at least one bearing surface (2, 3). The content of said cavity (8, 9) may be between 0.3 mm³ and 4 mm³. The gas duct (6) may supply gas to said cavity (8) through an orifice (7) in the wall of said cavity (8).

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